

TIME

THE WEEKLY NEWSMAGAZINE



TIME

THE WEEKLY NEWSMAGAZINE



EISENHOWER
He bowed the atomic lightning.
(World Bookfronts)



How a helicopter hangs by its "elbows"

Straight up, straight down, forwards, backwards, or just hovering—the Piasecki "Work Horse" Helicopter's peculiar flying maneuverability rests in its rotor assemblies. It is these flexible "elbows" that adjust the pitch of the 'copter's great blades. Each unit involves more than 625 separate parts. To machine and assemble them, Piasecki depends on Lycoming for precision production.

Lycoming stands ready to assist you whether you have a metal product that needs speedy precision or volume fabrication—or "just an idea" in the rough or blueprint stage. Long famous for its metal-working skill, Lycoming continues to meet the most exacting requirements in a wide diversity of fields, both industrial and military. Whatever your problem—look to Lycoming!

More than 6,000 machine tools, a wealth of creative engineering ability and 2½ million feet of floor space stand ready to serve your needs.

AIR-COOLED ENGINES FOR AIRCRAFT AND INDUSTRIAL USES • PRECISION-AND-VOLUME MACHINE PARTS • GRAY-IRON CASTINGS • STEEL-PLATE FABRICATION

For flexible "elbows"
—rotor assemblies that
control the maneuvers of
its H-21 Helicopter—Piasecki
looks to Lycoming's
precision production



Lycoming-Spencer Division
AVCO Manufacturing Corp.
652 Oliver Street
Williamsport, Pa.

Please send me further information on
Lycoming's varied abilities and facilities.

Name

Firm Title

Address

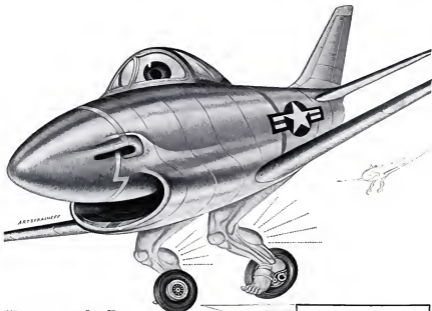
City Zone State

LOOK TO **LYCOMING** FOR RESEARCH
FOR PRECISION PRODUCTION

LYCOMING-SPENCER DIVISION
BRIDGEPORT-LYCOMING DIVISION



WILLIAMSPORT, PA.
BRIDGEPORT, CONN.



"Leg muscles" that cushion a jet's landing

When the landing gear of an F-46 Sabrejet hits the runway at lightning speed, the shock is absorbed by hydraulic action within the tough, precision-made cylinder on each "leg." To machine these 37-lb. cylinders to exact tolerances from solid 150-lb. steel forgings . . . to give them mirror-smooth inside finishes . . . Cleveland Pneumatic depends on Lycoming.

If your metal-working needs—like Cleveland Pneumatic's—can be solved by precision production, or if your problem is volume fabrication, or "just an idea" in the rough or blueprint stage—look to Lycoming. Long famous for metal-working skills, Lycoming meets the toughest specifications of exacting customers, both industrial and military.

Lycoming's 2½ million square feet of floor space, its more than 6,000 machine tools, and its wealth of creative engineering talent all stand ready to serve your needs.

AIRCRAFT ENGINES FOR AIRCRAFT AND INDUSTRIAL USES •
PRECISION AND VOLUME MACHINE PARTS • STEEL-PLATE FABRICATION

FOR RESEARCH - FOR PRECISION PRODUCTION

LOOK TO **LYCOMING**

LYCOMING-SPENCER DIVISION
AVCO MANUFACTURING CORP.
Bridgport-Lycoming Division



WILLIAMSPORT, PA.
STANTFORD, CONN.

For main leg
cylinders that enable
a Sabrejet to absorb
the jolt of high-speed
landings—Cleveland
Pneumatic looks
to Lycoming's
precision production



Lycoming-Spencer Division
AVCO Manufacturing Corp.
652 Oliver Street
Williamport, Pa.

Please send me further information on
Lycoming's varied abilities and facilities.

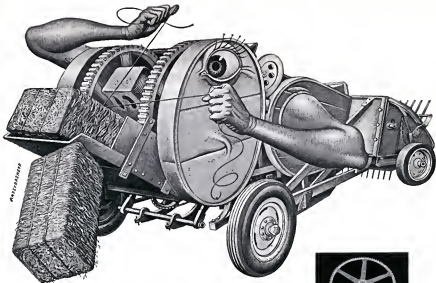
Name

Firm Title

Address

City Zone State





Strong "wrists" for America's new hay balers

Whirling through fields of hay . . . picking up and handling an almost incredible 2,500 bales per day . . . this man-saving, time-saving, money-saving NEW IDEA hay baler needs mighty tough gears to keep its tying mechanism on the job. To be certain these steel "wrists" have maximum strength and durability . . . NEW IDEA looks to Lycoming.

Do you need a precision part . . . volume production of a metal product . . . a dependable air-cooled engine . . . or development of "just an idea" in the rough or blueprint stage? Then remember—many of America's industrial and military leaders credit Lycoming with solving their most complex metal-working problems. Whatever your problem . . . look to Lycoming!

More than 6,000 machine tools, a wealth of creative engineering ability, and 2½ million square feet of floor space stand ready to serve your needs when you look to Lycoming.

AIR-COOLED ENGINES FOR AIRCRAFT AND INDUSTRIAL USES • PRECISION AND VOLUME MACHINE PARTS • GRAY-IRON CASTINGS • STEEL PLATE FABRICATION



For sturdy, unfoiling spur and bevel gears—"wrists" that drive the tying mechanism of its "one-man" hay baler—NEW IDEA looks to Lycoming for precision production.



FOR RESEARCH • FOR PRECISION PRODUCTION

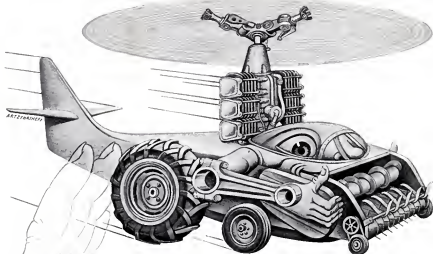
LOOK TO **LYCOMING**

Lycoming-Spartan Division, Williamsport, Pa.



Bradford-Lycoming Division, Stratford, Conn.

For a more complete story on Lycoming's varied abilities and facilities, write—on your company letterhead—for the illustrated booklet, "Let's Look at Lycoming."



The hand that helps keep America "running"

For precision production so vital to products that contribute to America's progress... leaders in industry look to the skilled hand of Lycoming.

This is the hand that machines vital components for GENERAL ELECTRIC J-47 jet engines... that turns out sturdy connecting rods for FORD trucks... that produces durable gears for NEW IDEA farm machinery... that makes rotor assemblies for PIASECKI helicopters... that creates air-cooled engines for executive aircraft such as AERO COMMANDER, HECHEL, GERLMAN, RYAN and PIPER... this is the skilled hand of Lycoming precision production.

Long on experience, varied in skills, huge in production—Lycoming always meets the most exacting metal-working requirements of leaders in American industry. So whatever your problem... look to Lycoming!

SOME OF THE LEADERS WHO LOOK TO LYCOMING

American Car and Foundry Company • Air Materiel Command • Bendix Aviation Corp. • The Cleveland Pneumatic Tool Company • Dornier Helicopters, Inc. • Ford Machinery & Chemical Corporation • Ford Motor Company • General Motors Corporation • Chevrolet-Aviation Engine Division • Kaman Helicopter Corp. • Navy Bureau of Aeronautics • Piasecki Helicopter Corp. • Pratt & Whitney Aircraft • Sylvania Electric Products, Inc. • Thompson Products, Incorporated • Westinghouse Electric Corporation • Wright Aeronautical.

FOR RESEARCH • FOR PRECISION PRODUCTION

LOOK TO **LYCOMING**

Lycoming Engine Division, Williamsport, Pa.



Brigant Lycoming Division, Stratford, Conn.



For a more complete story on Lycoming's varied abilities and facilities, write-on your company letterhead—for the illustrated booklet "Let's Look at Lycoming."

AIR-COOLED ENGINES FOR AIRCRAFT AND INDUSTRIAL USES • PRECISION-AND-VOLUME MACHINE PARTS • GRAF-IRON CASTINGS • STEEL-PLATE FABRICATION



25 DATELINE

OVERSEAS PRESS CLUB OF AMERICA

TH ANNIVERSARY





TIME

THE WEEKLY NEWSMAGAZINE



ARTIST: B. H. H. H.

AMATEUR PHOTOGRAPHER
Every man his own artist.

ALFRED BOCH
E. LEITZ, INC.
304 HUDSON ST.
NEW YORK N. Y.

UNITED
PHARMACEUTICALS
PA.
5 CENTS

ITALIA Five days that changed the world

TIME

THE WEEKLY NEWSMAGAZINE



IBM'S THOMAS J. WATSON JR.
Clink. Clank. Think.

ARTZBASHEFF



ANXIETY



FRUSTRATION



INDECISION



INFANTILISM



REPPRESSED HOSTILITY

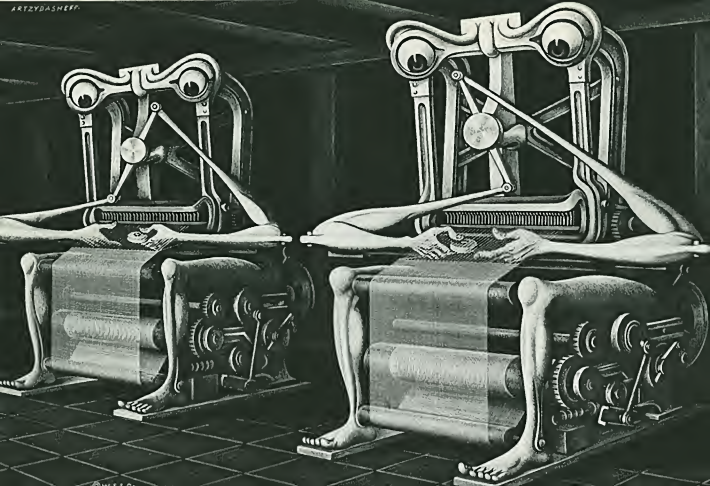


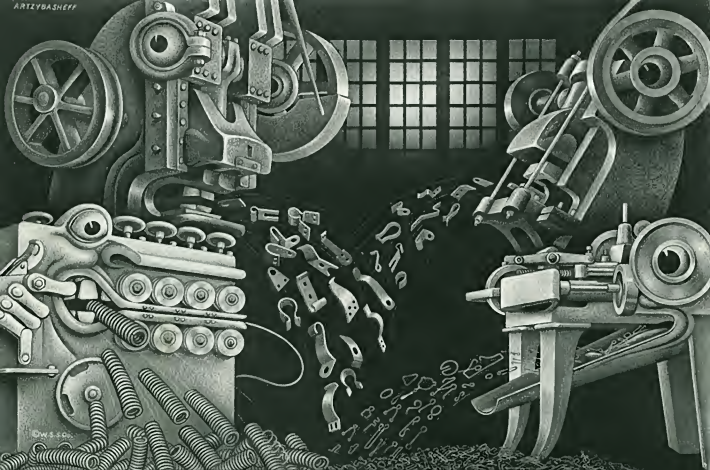
TIMIDITY

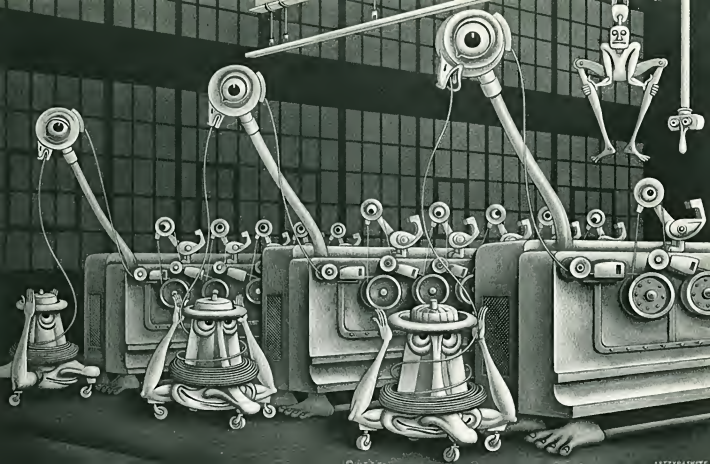


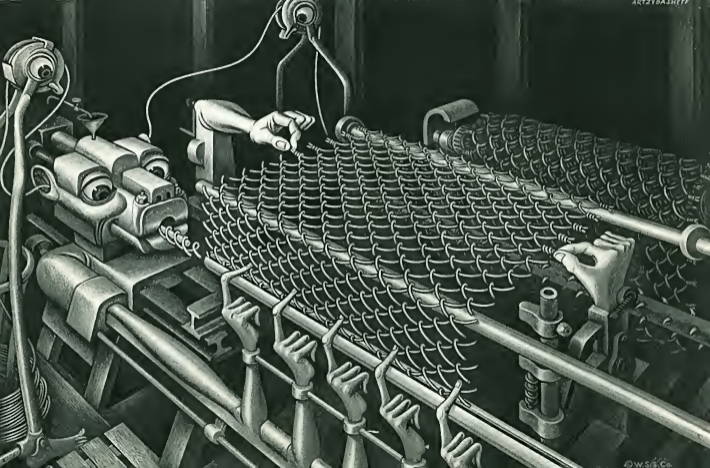


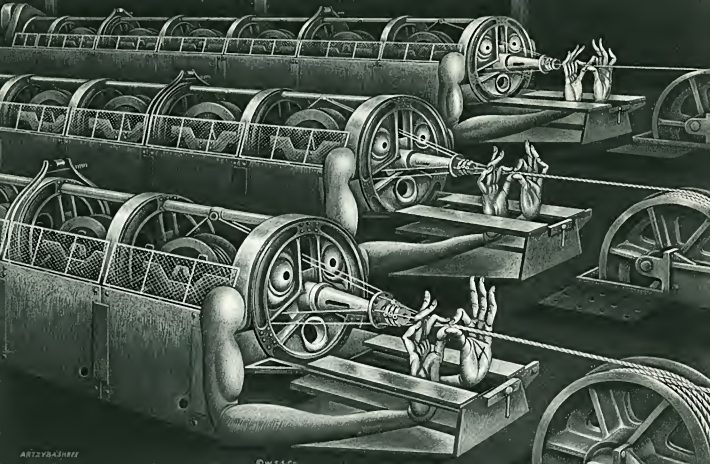








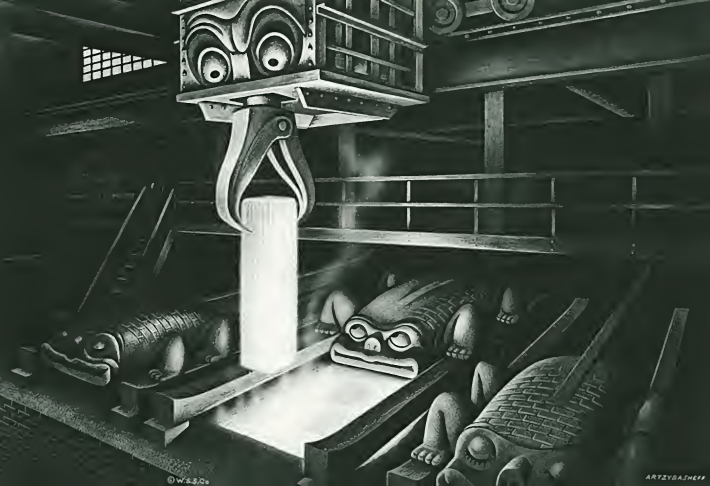
















**Your engine makes
this much Acid every day**
... And It's Acid Action—not Alkaline—
that causes 70% of engine wear



New Alkaline Shell X-100 Motor Oil
counteracts Acid Action

It's even a little different, too, because it's alkaline. It's got an excess of acid in a neutral and green, through your car's engine, and so it's acid action, not alkaline, that causes 70% of engine wear. To counteract the harmful effects of the acid, Shell X-100 has powdered an alkaline motor oil called Shell X-100. It's called alkali action. "Al" which stands for alkaline (the old name, prolonging the life of your engine.

The new Shell X-100 is a Premium Motor Oil. It's a Shell Motor Oil. Shell X-100 is alkaline. It counteracts engine corrosion. It's the acid that helps prevent the engine from being worn and parts from being damaged.

Shell X-100 is the best motor oil money can buy. But you can't afford to pay more for the protection of the new Shell X-100. It's the best motor oil.

It's Incomparable!



**Your engine makes
this much Acid every day**
... And It's Acid Action—not Alkaline—
that causes 70% of engine wear



New Alkaline Shell X-100 Motor Oil
counteracts Acid Action

It's even a little different, too, because it's alkaline. It's got an excess of acid in a neutral and green, through your car's engine, and so it's acid action, not alkaline, that causes 70% of engine wear. To counteract the harmful effects of the acid, Shell X-100 has powdered an alkaline motor oil called Shell X-100. It's called alkali action. "Al" which stands for alkaline (the old name, prolonging the life of your engine.

The new Shell X-100 is a Premium Motor Oil. It's a Shell Motor Oil. Shell X-100 is alkaline. It counteracts engine corrosion. It's the acid that helps prevent the engine from being worn and parts from being damaged.

Shell X-100 is the best motor oil money can buy. But you can't afford to pay more for the protection of the new Shell X-100. It's the best motor oil.

It's Incomparable!





NEW alkaline Shell X-100 Motor Oil neutralizes Acid Action

It's not *friction* but *acid action* that causes 90% of engine wear! To neutralize the harmful effect of the pint or more of acid formed in average daily driving, Shell Research has produced an *alkaline* motor oil—Shell X-100. Fortified with alkaline "X" safety factors, it neutralizes the acid action, prolonging the life of your engine.

The new Shell X-100 is a Premium Motor Oil. It is a Heavy Duty Motor Oil. In addition, it possesses cleansing factors which help prevent deposits that would foul your engine.

Shell X-100 is the finest motor oil money can buy. Let your Shell dealer give your engine the protection of this new alkaline Shell X-100 Motor Oil today.



It's Incomparable!



I am always waiting

*I am (happy) . . . the student at every state's office . . . You have the
books in the . . .*

In the Dark Ages, it told men lies, by the thousands. Dark Ages?

As recently as 1984, we call to America was **100%** made **Domestic**

It is not as easy now. You found ways to defeat me. You discovered the individual paper folding cup . . . a simple thing, but a space within an art world, or how do you remember to record it . . .

Sometimes I think you are forgetting. At war plants, I see pills and syringes on outside jobs. I see drinking devices about ten times these months and have genuine loved only inches from the next who drinks. That encourages me . . . that when I see that next dispenser of where report cases I am discouraged, for I cannot flourish there.

Wages for college graduates and younger workers, both, will rise as demand for new workers "shifts from thinking in terms of labor" to the making of *skills*, and JGRO Future Workers Group will be able to meet this demand better.

AJAX - AERO

Working on Purpose: Redefining Career

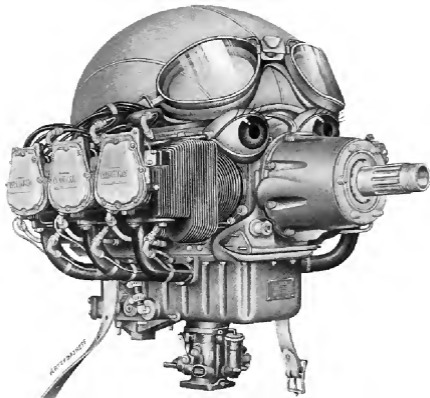
THE UNIVERSITY OF CHICAGO PRESS
50 EAST LEXINGTON AVENUE
NEW YORK, NY 10017-2453
TEL: 212 850 6640
FAX: 212 850 6641
WWW.CHICAGO.PRESS.COM

© 2000 Blackwell Science Ltd, *Journal of Internal Medicine* 247: 399–406



PAPER DRINKING CUPS • ENVELOPES • WRITING PAPERS • LITHOGRAPHY PAPERS • NOTE BOOKS
FRAMMANTINI CONTAINERS • WAX PRODUCT PACKAGING • TOILET TISSUE • PAPER TOWELS









1000



TABLE 1



Abstract



Everyone knows how stress and other disturbing emotions can play havoc with our mental peace. But not everyone realizes that such emotional disturbances can also make us physically ill. For we automatically worry ourselves into stomach aches, high blood pressure, allergies, and other disorders. And, of course, if we already have any of these disorders, nervous distress can make them worse.

Be if you find yourself, at any number of your family, dependent on others for emotional

problems, or fearful of physical ill, do not start along and try to separate these problems along. The way there is about to see some doctors.

It may surprise you to know how many of your physician's patients come to him with the same emotional burdens . . . how much he understands and sympathizes with such problems . . . and how much he has counted you on the true causes of your condition, and the best medical measures to take for your physical and mental well-being.

100

PARKE, DAVIS & COMPANY

University of Maryland System, College Park, Maryland 20742

[illegible]

Big "doing



TRANSFORMER

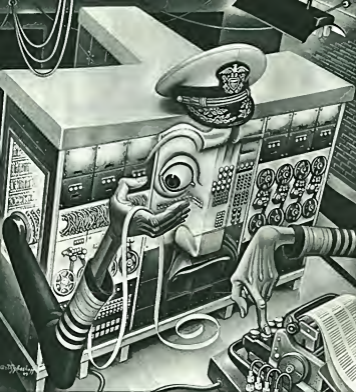
THE TRANSFORMER

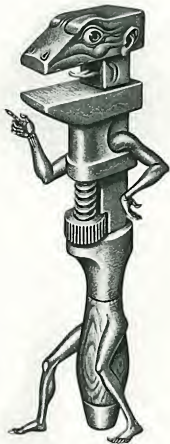


"It's a big thing," says the author of the book, "and it's a big thing." The book is a collection of stories and articles about the history of the Transformer franchise. It's a big thing, and it's a big thing.

"It's a big thing," says the author of the book, "and it's a big thing." The book is a collection of stories and articles about the history of the Transformer franchise. It's a big thing, and it's a big thing.







MACHINALIA



For a comprehensive report of the Avco-Ampco Hudson, in service, December, 1960, 170 Third Avenue, New York 17, N.Y.

Centuries of history teach the importance of military mobility. And today Avco capabilities help provide it. Superstrong honeycomb structures for logistics aircraft—reliable engines for battlefield helicopters, aircraft, and drones—high-speed amphibious hydrofoil vehicles—advanced ordnance—push-button combat communications. These are important Avco contributions to today's vital mobility for defense.

UNUSUAL, EXCITING OPPORTUNITIES FOR QUALIFIED SCIENTISTS AND ENGINEERS... REGARDLESS OF RACE, CREED, COLOR OR NATIONAL ORIGIN... WRITE: AVCO TODAY, AVCO CORPORATION, TWO FORD AVE., NEW YORK 17, N.Y.

Avco



Artzybasheff





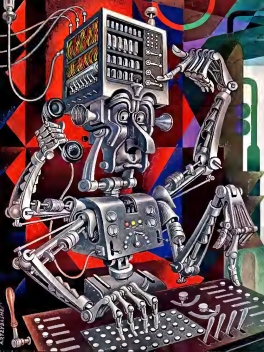
Artzybasheff

TIME

THE MAGAZINE



THE TELEPHONE MAN



*Your engine
makes this much
acid every day*

*... And its Acid Action
—not friction that causes
90% of engine wear!*

ARTZ YBAS HEFF



NEW alkaline Shell X-100 Motor Oil neutralizes Acid Action

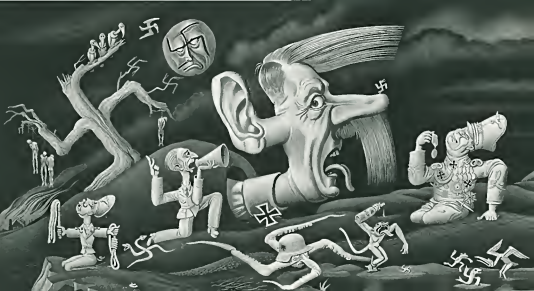
It's not *friction* but *acid action* that causes 90% of engine wear! To neutralize the harmful effect of the pint or more of acid formed in average daily driving, Shell Research has produced an *alkaline* motor oil—Shell X-100. Fortified with alkaline "X" safety factors, it neutralizes the acid action, prolonging the life of your engine.

The new Shell X-100 is a Premium Motor Oil. It is a Heavy Duty Motor Oil. In addition, it possesses cleansing factors which help prevent deposits that would foul your engine.

Shell X-100 is the finest motor oil money can buy. Let your Shell dealer give your engine the protection of this new alkaline Shell X-100 Motor Oil today.



It's Incomparable!







People want to buy in the land where gold is black

Gold seeking Conquistadors who returned empty handed to Spain were three centuries too early. For under the Lake Maracaibo and Eastern portions of Venezuela lies one of the world's richest gold deposits—in the form of black crude oil. Thanks to this liquid asset, and to picturesque forests of oil wells, Venezuela is today one of your best foreign markets. It is fast-developing, nearby, has ready cash, and is *hungry* for American-made products—and all that their superiority represents. For information about this and other markets of

the Caribbean, write on your letterhead to Alcoa Steamship Company, Inc., Dept. A, 17 Battery Place, New York 4, N. Y., or to Dept. A, One Canal Street, New Orleans 16, La.

VISIT THE MAGIC CARIBBEAN, where business is easily dovetailed with a relaxing, tropical vacation. 17-day cruises across the bluest of seas on 3 modern, air-conditioned ships. Or you can travel leisurely on comfortable 12-passenger freighters. Write for travel information or see your travel agent.



ALCOA
sails the CARIBBEAN

ALCOA STEAMSHIP COMPANY, INC. OFFICES IN: BALTIMORE, CHICAGO, MOBILE, MONTREAL, NEW ORLEANS, NEW YORK, NORFOLK, ST. LOUIS, TORONTO





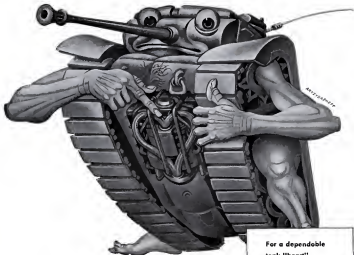
TIME

THE WEEKLY NEWSMAGAZINE

JACQUES COUSTEAU

THE WALKER COMMISSION
No Conspiracy, Domestic or Foreign

LEE
HARVEY
OSWALD



New "ticker" for tanks

Rundling over rugged terrain . . . crushing enemy obstacles . . . surviving heavy fire—our "G.I." tanks must have powerful, dependable engines to stay "alive" in combat. That's why the Army Ordnance Corps relies on Lycoming to turn out air-cooled "tickers" for new-type tanks now in production.

Maybe you need a complete engine, or a single precision part. Maybe you have "only an idea" in the rough or blueprint stage that needs development. Or a metal product that needs precise and speedy fabrication. In any case—look to Lycoming! Lycoming has a long-tested reputation for meeting the most exacting and diverse metal-working requirements, both industrial and military. If *however* your problem—look to Lycoming!

Lycoming's wealth of creative engineering ability, its 2½ million square feet of floor space, its 6,000-plus machine tools stand ready to serve your needs.

AIR-COOLED ENGINES FOR AIRCRAFT AND INDUSTRIAL USE • PRECISION AND VOLUME MACHINE PARTS • GRAY-IRON CASTINGS • STEEL-PLATE FABRICATION

FOR RESEARCH • FOR PRECISION PRODUCTION

LOOK TO **LYCOMING**

LYCOMING ENGINE DIVISION
BROOKFIELD LYCOMING DIVISION



W. L. LYCOMING, JR.
DIRECTOR, CORP.

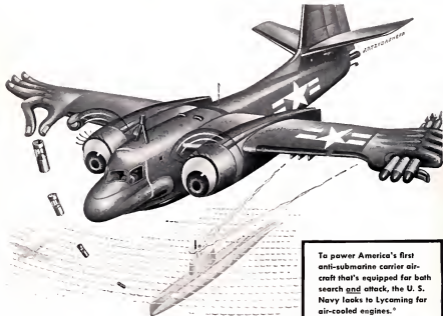
For a dependable
tank "heart"—
500 horsepower's worth
of rugged air-cooled
engine—U. S. Army
Ordnance looks to
Lycoming's
precision production.



Lycoming-Spencer Division
AVCO Manufacturing Corp.
832 Silver Street
Williamsport, Pa.

Please send me further information on
Lycoming's varied abilities and facilities.

Name _____
Firm _____ Title _____
Address _____
City _____ Zone _____ State _____



Stout "hearts" for new Navy sub killers

Patrolling endless seas in search of enemy subs . . . blasting them out of action with newest destruction devices . . . this Grumman S2F-1 "hunter-killer" depends on the stamina of twin Lycoming-built engines to keep it high and dry.

This is another Lycoming contribution to aviation progress. For Lycoming engines also fly military missions in aircraft ranging from liaison planes to trainers to helicopters. They have distinguished themselves in civilian aviation, too—particularly in single and twin-engine planes.

Do you need this kind of dependable air-cooled power . . . or any of the diversified services listed above our signature? *Whatever your problem . . . look to Lycoming!*



To power America's first anti-submarine carrier aircraft that's equipped for both search and attack, the U. S. Navy looks to Lycoming for air-cooled engines.*



*Wright Lycoming engines built by Lycoming under license from Curtiss Wright Corporation, Wright Aeronautical Division.

Send for free booklet "The Lycoming Story" . . . 40 interesting, illustrated pages showing many ways Lycoming is ready to help you. Write for it on your letterhead.

Aircraft Engines
Industrial and Tank Engines
Engine Overhaul
Generating Units

Turbine Engineering and Research
Engineering Design and Development
Hardened and Ground Precision Parts
Gears and Machine Parts

Complete Assemblies
Heat Treating and Plating
Steel Fabrication
Castings
Boilers

FOR RESEARCH • FOR PRECISION PRODUCTION

LOOK TO

Lycoming

DIVISION OF



STAFFORD, CONN.

Manufacturing plants in Stafford, Conn., and Williamsport, Pa.





Springs with Stings

A while ago millions of friendly Wissco springs a year were striving only to make life better.

Now, fighting mad, they're helping to sting the Nazis and Japs—plenty!

Among other weapons, they are contributing their efficiency to—

Plane motors	Army trucks	Submarines
Instruments	Jeeps	Torpedoes
Parachutes	Scout cars	Machine guns
Trainers	Destroyers	Automatics
Tanks	Cruisers	Gun Carriages

The thousands of us here at our blast furnaces, open hearths, and in our seven mills are sweating day and night to help equip *our* sons and brothers, and *yours*, who are out there fighting for us. We know that's the quickest way to finish this job—and get back to making springs for a better world, at peace.

Important. If Wissco can help to speed *your* output for Victory, we are eager to help. Rush your priority rating to . . . Department T-7, Wickwire Spencer Steel Company, 500 Fifth Avenue, New York City.



In addition to springs, other Wissco products, now serving their country, are: Wire, wire rope, welded fabric, perforated metals, poultry netting, insect screen cloth, chain link fence, wire cloth, metal conveyor belts.

You can speed Victory by salvaging and selling old metal. The steel industry needs scrap!




WICKWIRE SPENCER STEEL COMPANY

Seven Plants Located in MASSACHUSETTS, NEW YORK, PENNSYLVANIA, ILLINOIS

COPYRIGHT 1942, WICKWIRE SPENCER STEEL COMPANY

Another advertisement telling how you in Wickwire Spencer are helping to meet vital war needs . . . and, by extending knowledge of our products and quality, to maintain sales and employment—now, and later on. Appearing in **TIME Magazine**, and **BUSINESS WEEK**.



TRINIDAD—is noted for a large East Indian population that retains its ancestral customs; for its beaches and scenery, its fascinating shops on Frederick Street, its Calypso songs and its progressiveness. It balances its ports with its exports of cocoa, sugar, oil, nepheli and other raw materials.

You'll find a foreign market in the nearby Caribbean

Port of Spain, Trinidad, with its polyglot population, has been nicknamed by travelers "crossroads of the world." Visit its shores—watch cargo being loaded and unloaded—and you'll realize that it's a crossroads for commerce, too. This intensely populated island is just one of the easy and pleasant-to-contact foreign markets you'll find waiting in the Alcoa-served Caribbean. Write today for data about its market opportunities. Or ask for information about Alcoa 17-day cruises on modern, air-conditioned passenger ships. Address: Alcoa Steamship Company, Inc., Dept. A, 17 Battery Place, New York 4, N. Y. or Dept. A, One Canal Street, New Orleans 16, La.

ALCOA

sails the CARIBBEAN



ALCOA STEAMSHIP COMPANY, INC.

OFFICES IN: BALTIMORE, CHICAGO, HONOLULU, MONTREAL, NEW ORLEANS, NEW YORK, HOSPOK, ST. LOUIS, TORONTO

ART BY J. H. HARRIS



Private "air truck" for Very Special Delivery ... powered by Lycoming

When deliveries are *fast* with a capital "R" . . . today's progressive businessman turns to a small company plane that relieves him of dependence on the schedules of commercial air-freight systems.

Take the case of the Capital City Printing Plate Company of Des Moines, Iowa . . . operator of a Piper Tri-Pacer powered by Lycoming. Gene C. Meston, General Manager, says: "We could not maintain our production and sales level without the Tri-Pacer. The airplane and the pilot do the work of two trucks and three drivers. We save a lot of expense and keep our customers well satisfied."

Our own experience at Lycoming with the Tri-Pacer is a revelation in dollars and cents. It carries a 500-lb. payload at an operating cost of only 5.6¢ per mile . . . less than the average cost of running an automobile!

For the "air truck" in your future, test-fly a Piper . . . or one of the other leaders in this small-plane field that fly with dependable Lycoming air-cooled engines.



Off again to deliver the goods! Tom Videnski, Capital City pilot, shown here, says: "We've logged over 750 hours in the first eight months we flew this Tri-Pacer. The plane has had nothing but routine maintenance—it's ready to go every day!"



Just off the press! "The Lycoming Story" . . . 40 interesting, illustrated pages showing many ways Lycoming is ready to help you. Write for it on your letterhead.



FOR RESEARCH • FOR PRECISION PRODUCTION

LOOK TO **Lycoming**

DIVISION OF

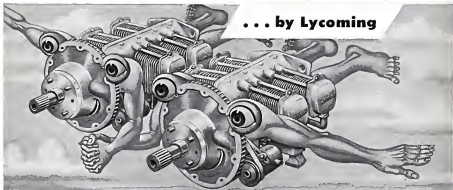


STRATFORD, CONN.
Manufacturing plants in Stratford, Conn., and Williamsport, Pa.



It's "twins" for Piper

... by Lycoming



This is the Piper Apache . . . the all-new executive plane that brings new economy to the twin-engine field while maintaining high standards of safety and dependability.

It is powered by two proven Lycoming 150-h.p. air-cooled engines designed especially for the Apache. These power plants provide an improved horsepower-weight ratio, new compactness . . . and are so powerful that the Apache can safely fly and land with a full load *on one engine alone*.

We suggest a test flight in the Piper Apache for a new experience in air travel.

*the
Lycoming
story*

Just off the press! "THE LYCOMING STORY" . . . 40 interesting, illustrated pages that give you information about the many Lycoming services listed below. Write for it on your letterhead.

Aircraft Engines
Industrial and Tank Engines
Engine Overhaul
Generating Units

Turbine Engineering and Research
Engineering Design and Development
Hardened and Ground Precision Parts
Gears and Machine Parts

Complete Assemblies
Heat-Treating and Plating
Steel Fabrication
Castings
Boilers

FOR RESEARCH - FOR PRECISION PRODUCTION

LOOK TO **Lycoming**

DIVISION OF



STRAITFORD, CONN.

Manufacturing plants in Stratford, Conn., and Williamport, Pa.





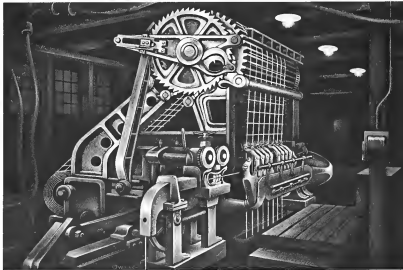




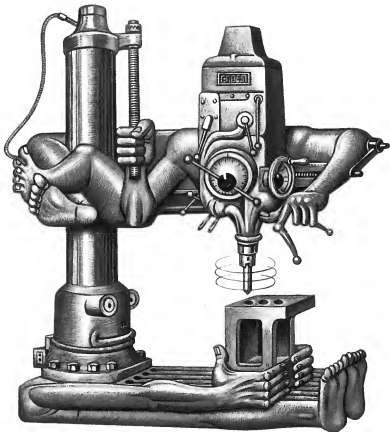
R. BUCKMINSTER FULLER

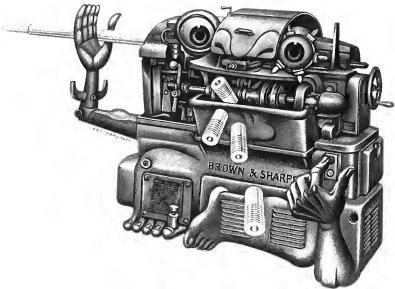


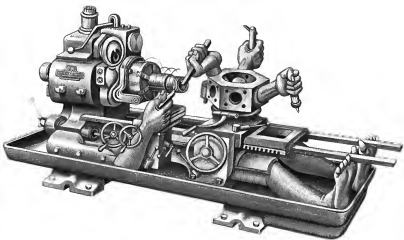
USA 37

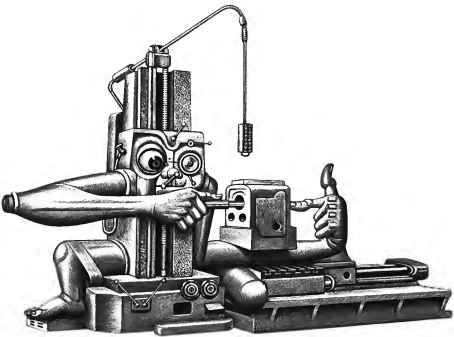


















Artzykharoff



Clayton K. Smith











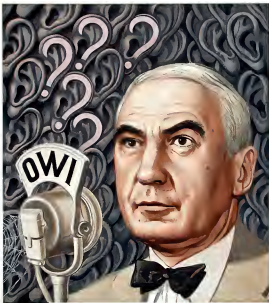








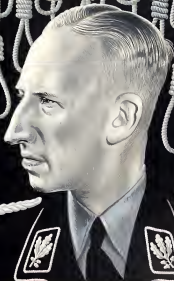












ARTIST: J. J. J.











TIME

The cover of TIME magazine features a somber and evocative image. A hand with dark, possibly inked or tattooed skin reaches over a grey brick wall. Above the wall, several strands of barbed wire are stretched across the frame. The word 'TIME' is printed in large, white, serif capital letters at the top, with the barbed wire passing through the letters. Below the title, the words 'THE WEEKLY NEWSMAGAZINE' are printed in a smaller, white, sans-serif font. In the bottom right corner, there is a circular arrangement of pink roses. The entire cover is framed by a thin white border, which is itself set against a red background.

THE WEEKLY NEWSMAGAZINE

THE WALL

TIME

THE WEEKLY NEWSMAGAZINE



DICTATOR STALIN
In death's shadow, a fight for power.

TIME

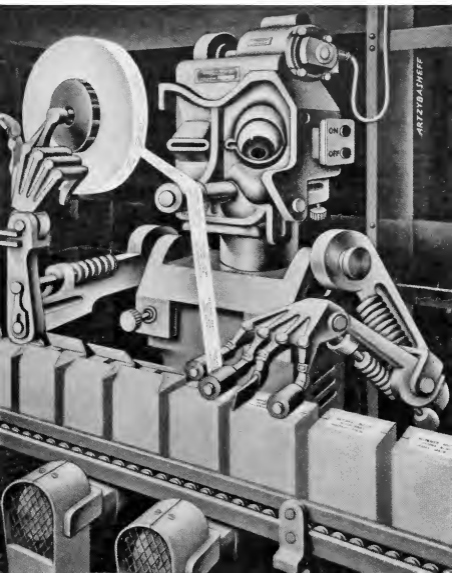
THE WEEKLY NEWSMAGAZINE



THE MISSILE

Automation?

YOU NAME IT... WE'LL TAPE IT!



TIME

THE WEEKLY NEWSMAGAZINE



SPACE PIONEER
Will man outgrow the earth?

TWENTY-FIVE CENTS

JUNE 6, 1960

RUSH HOUR IN SPACE
U.S. & Russia Take Different Roads

TIME

THE WEEKLY NEWSMAGAZINE



\$7.00 A YEAR

TWENTY-FIVE CENTS

4000 8 10 1962

REACHING FOR THE MOON

TIME

THE WEEKLY NEWSMAGAZINE

Illustration by
John Berkey



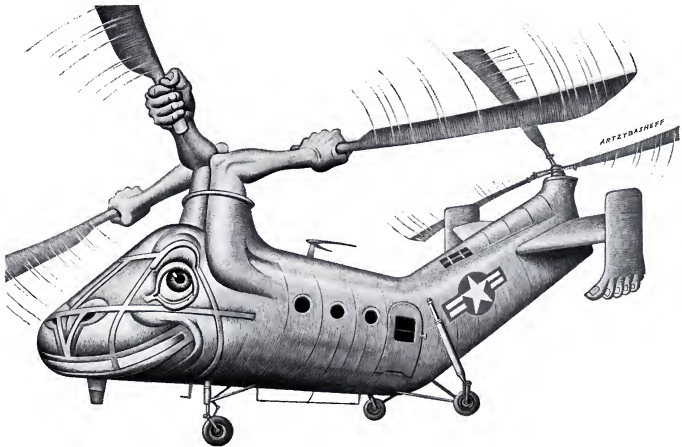
SPACE PLANNER
D. BRAINERD HOLMES

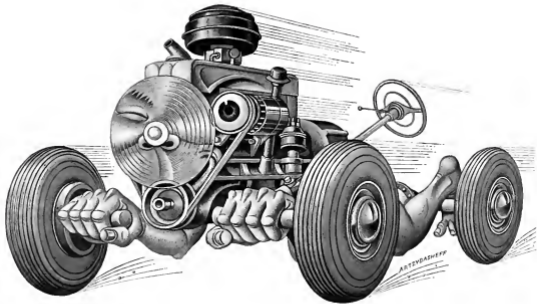
TIME

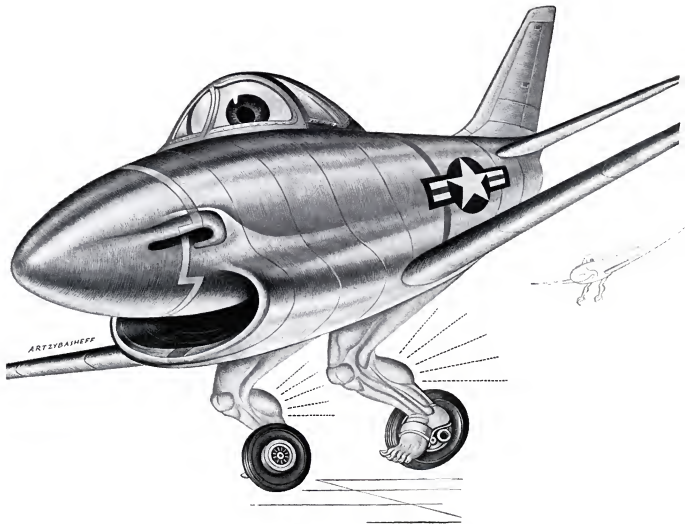
NEWSMAGAZINE

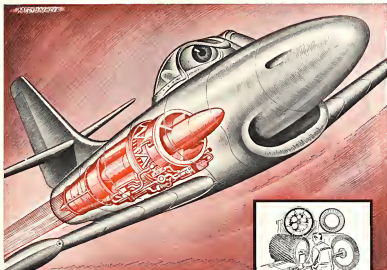


ATOMIC SUBMARINE'S ADMIRAL RICKOVER
In sea power, another revolution.









"Blasts" for Jets

To gun a jet to incredible speeds . . . to power it through the intricate twists and turns of combat . . . to "pour it on" in climbs, in dives, in instantaneous bursts of speed—the mighty engine of a jet plane demands parts that are tough, precise and unfailing. To assure such vital performance, General Electric looks to Lycoming as a leading supplier of the major components that go into its superb J-47 jet engine.

Whether you require precision parts of any kind . . . or need high-volume production, product development—or a complete air-cooled power plant—Lycoming's extensive research facilities and well-rounded experience stand ready to serve you. Whatever your problem—look to Lycoming!

For a more complete story on Lycoming's varied abilities and facilities, write—on your company letterhead—for the interesting, illustrated booklet "Let's Look at Lycoming."



For major engine parts that put the "blast" in jets, **Lycoming is one of General Electric's leading sources of precision production.**

AIRCRAFT ENGINES AND AIRCRAFT AND POWERPLANT USES • PRECISION ENGINE-MACHINE PARTS • GRAPHIC CHARTS • STEEL-PLATE FABRICATION

LOOK TO

LYCOMING

FOR RESEARCH

FOR PRECISION PRODUCTION

UNION-SPACE DIVISION
BRIDGEPORT-UNION DIVISION



WILMINGTON, AL.
BRIDGEPORT, CONN.

HOW GM'S GARDEN GROWS



THE GM SYSTEM OF FLORICULTURE provides the corporation's 39 divisions with a rich soil of consumer dollars in which to grow, and rich nourishment in the form of legal, financial, research and engineering advice, and distribution and styling help. "Central office," here represented by a wing of the Detroit GM Building, also sets major policies and corporation labor and public relations patterns. Otherwise each division operates with all the competitive aggressiveness of an independent

company. This combination of paternalism and individualism has produced opulent blooms like (top row) Chevrolet, Buick, GMC Truck and Coach, Frigidaire, Electro-Motive; (second row) Pontiac, Cadillac (soon to make tanks), Oldsmobile, Delco Appliances, the diesel divisions, Allison (aircraft engines), the Overseas Operations. Aiding these are (bottom row) the vital accessory and Fisher Body divisions, insurance, retail and dealer financing divisions, Aeroproducts, four Canadian divisions.

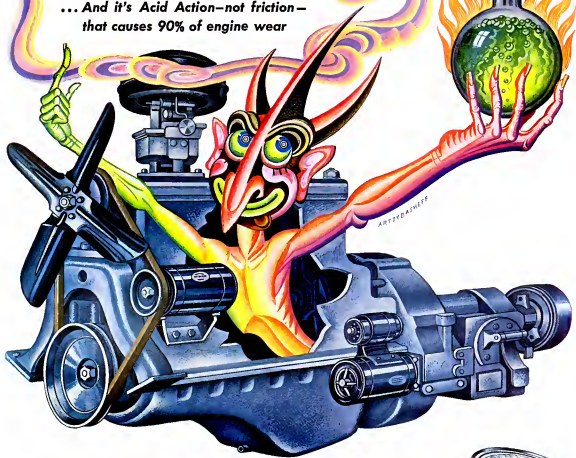
THE WEEKLY NEWSMAGAZINE

Быть - To be
или - or
не - not
быть - To be

NEW PRODUCTS

**Your engine makes
this much Acid every day**

**... And it's Acid Action—not friction—
that causes 90% of engine wear**



New Alkaline Shell X-100 Motor Oil counteracts Acid Action

If you are a typical motorist, in a normal day's driving,—a pint or more of acid is formed and passes through your car's engine, and it's acid action, not friction, that causes 90% of your engine wear. To neutralize the harmful effect of this acid, Shell Research has produced an alkaline motor oil—Shell X-100. Fortified with alkaline "X" safety factors, it neutralizes the acid action, prolonging the life of your engine.

The new Shell X-100 is a Premium Motor Oil. It is a Heavy Duty Motor Oil. In addition, it contains positive cleansing factors that help protect hydraulic valve lifters and other vital parts from fouling deposits.

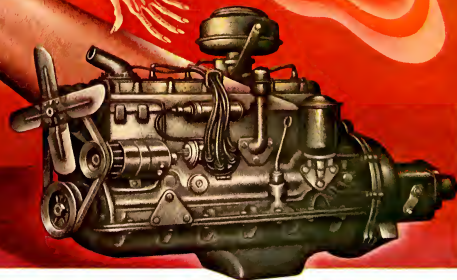
Shell X-100 is the finest motor oil money can buy. Let your Shell dealer give your engine the protection of this new alkaline Shell X-100 Motor Oil today.



It's Incomparable!

Your engine makes this
much acid every day

*... And it's Acid Action—not friction
that causes 90% of engine wear!*



TIME

THE WEEKLY NEWSMAGAZINE



Art by [illegible]

NAGANO OF JAPAN
He, too, has just begun to fight.
(*World Battlefronts*)

TIME

THE WEEKLY NEWSMAGAZINE



MARSHAL TIMOSHENKO OF RUSSIA

Eric Zitzelschall

"Brothers, our country is in your hands."

(World Battlefront)

TIME

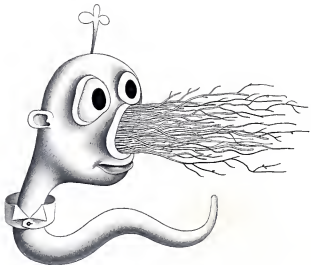
THE WEEKLY NEWSMAGAZINE



GERMANY'S RUNDSTEDT: DEFENDER OF THE SHORE

More barges on the beach, more gunfire in the night.

(World Battlefronts)



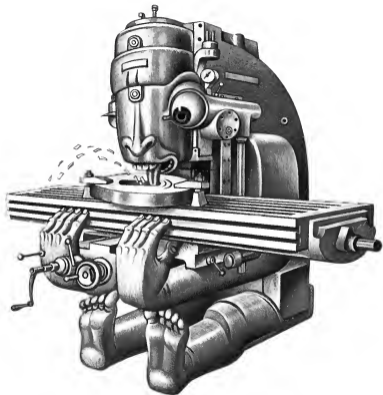
TIME

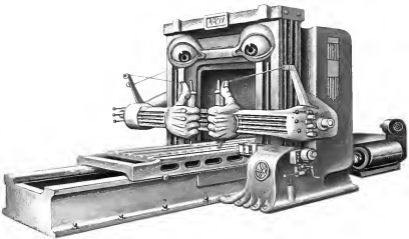
THE WEEKLY MAGAZINE

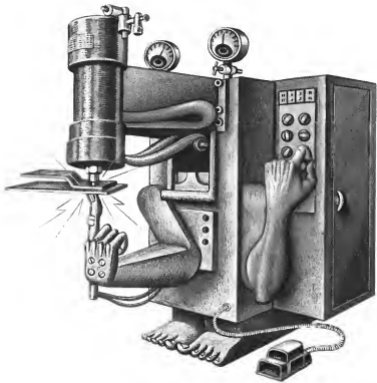


U.S. TAXPAYER
Here we go.









ARTZYBASHEFF





Junk Rains Hell on Axis

YOU who read this can help end the war sooner, and save lives of American boys at the front. America is desperately short of scrap iron and steel, vital ingredients for each batch of new steel.

Do these things: (1) Use your legs and arms and mind to join community's scrap collecting drive. Mine has not yet started. Please or write your Mayor to appoint a committee at once. (2) Research your own

cellar, attic and garage for metal you can turn in. (3) Get every other house to do likewise. (4) Report "looters" to find and report scrap metal elsewhere.

The Scrap Dealer needs your help, too. The government depends on his know-how in sorting, separating, properly preparing, and shipping scrap to the steel mills in usable form. Give him your inspection. Tell him your scrap.

Published in the interest of an another Victory by Whitman-Spencer Steel Company, 200 Fifth Ave., New York. Permission to reprint in whole or in part gladly given in return.





FABLED VOYAGES, BIZARRE FINDINGS OF LUNAR FICTION

The lunar journey which scientists are now attempting has been anticipated for ages by imaginative writers who have dreamed up bizarre ways to reach the moon and have populated the crater-pocked face of the Moon with a variety of fantastic creatures. A sampling of them is shown in this fanciful drawing by Boris Artzybasheff.

In the Second Century A.D., the Greek satirist Lucian of Samosata invented bald, bearded moon people (lower left) with stomach pouches

and removable eyes. Their airborne cavalry flew into battle wearing giant pen pots for helmets. Next right, emerging from the crater which forms the Man in the Moon's right eye, are cave-dwelling sun worshippers dressed up by Robert Paltock, an English lawyer, in 1751. To their right is a motley lineup of former Earth residents—Adam and Eve, Nero, Napoleon and extinct animals—inspired by Aristotle's account in *Odyssey* (1532) of beings who disappeared from Earth and showed up on the moon.

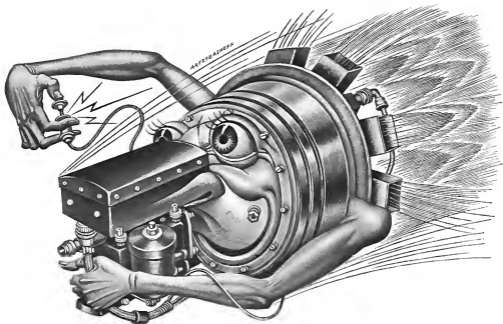
At lower right are moon characters out of British Bishop Francis Godwin's *The Man in the Moon* (1638). They got around by leaping up and flapping themselves along. Above them are four-legged folk created by Cyrano de Bergerac (1659). They shot birds by a method which simultaneously killed, plucked, roasted and seasoned them. To their left are English-speaking serpents, the creation of an unknown writer with the pen name Anthon (1739).

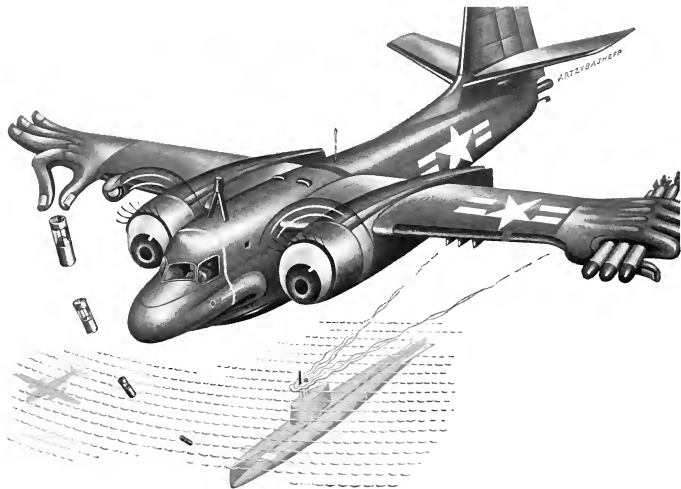
Above the serpent people are "wild beasts

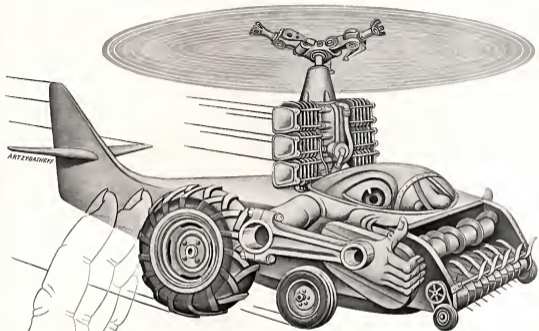
and tiny, big-winged people which the New York Sun reported in 1831 were seen through a giant telescope. The hoax was widely believed at the time. The grotesque insectlike creatures at upper left are out of H. G. Wells's *First Men in the Moon* (1901).

In the sky at upper right are vehicles used by science-fiction moon voyagers. They are, from left: Jules Verne's trainlike rocket (1870), which circled moon but did not land; the flaming horses which drew the chariot of Aristotle's

hero, Orlando; the hand-operated flying machine in which Paltock's hero accidentally fell to the moon; Bishop Godwin's space rat, borne by swanlike "maisons" and guided by a wall, the angel that carried the hero of George Foxley's *A Flight to the Moon* (1813); loads of dew, which, as their contents were sucked up by the sun, carried Cyrano de Bergerac moonward. At extreme upper right is the lullaby which took Anthon's hero to the moon in exactly 17 days, six hours, two minutes, three seconds.

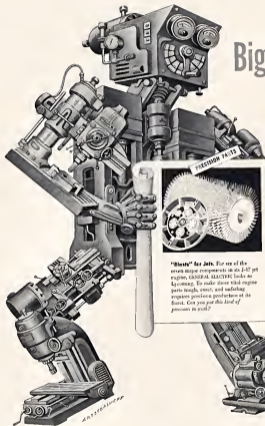






The hand that helps keep America "running"

Big "doings" in metal



PRECISION PAIR



"Blasts" for jets. For six of the seven major components in its J-57 jet engine, GENERAL ELECTRIC looks to Lycoming. To make these vital engine parts tough, exact, and safe—Lycoming engines provide protection at its heart. Can you put this kind of precision in steel?

AIR-COOLED ENGINES



Their "sang" fits the air. Dependable air-cooled Lycoming engines—up to 4000 h.p. capacity—power the outstanding racecars now made by BOGEY, CLOSA, FUPR, VASA, COMMANCHE. Do you need this kind of dependable air-cooled power for aircraft or industrial use?

VOLUME PRODUCTION



"Blinks" that give cars "go"—these are the connecting rods that Lycoming produces for FORD trucks. Precision-machined, these rods are moved out in huge quantities to meet Ford production schedules. Can on-time delivery of precision parts in volume help you?

CREATIVE ENGINEERING



Power generator for jets. Created by Lycoming for the U.S. AIR FORCE, this unique, unique all-purpose power plant actually starts jets and bombers... even has enough power to take radar systems! Can reasonable, creative engineering help solve your problem?



AIR-COOLED ENGINES FOR AIRCRAFT AND INDUSTRIAL USES
PRECISION-AND-VOLUME MACHINE PARTS • STEEL-PLATE FABRICATORS

FOR RESEARCH FOR PRECISION PRODUCTION

LOOK TO **LYCOMING**

Lycoming Engine Division, 1000 Main St., Troy, N.Y. 12180

Here are just four outstanding achievements of Lycoming's precision production... samples that indicate how Lycoming solves metal-working problems for America's industrial leaders and the Armed Forces.

Need a tiny gear no bigger than the finest tolerances? Need precision parts—produced in quantity—produced on time? Like to see how truly creative engineering can work out the answer to your metal-working problem?

Then look to Lycoming—long an experience, varied an skilled.

Even these few samples demonstrate that Lycoming has the machines you can use—the skilled craftsmen you can use... the immense facilities you can use... the creative thinking you can use!

Yes, these Lycoming achievements should help you understand why we say in all confidence—"For a metal product that requires speed, precise fabrication... or for the development of 'just-in-time' in the rough or blueprint stage... look to Lycoming!"

For a more complete story on Lycoming's varied skills and facilities, write for the interesting, illustrated booklet, "Let's look at Lycoming."

Lycoming Engine Division, 1000 Main St., Troy, N.Y. 12180

Please send me further information on Lycoming's varied abilities and facilities.

Name _____ Title _____
 Firm _____
 Address _____
 City _____ State _____ Zip _____





New speedster

that can "crawl" without "stall"

Powered by a dependable Lycoming engine, this executive plane cruises above 150 mph—yet lands at 30 mph.

Now you can fly at 30 mph—with no danger of spin or stall. Take off and land in the "backyard" space of 75 yards. And fly completely *relaxed* in the knowledge that your power plant is a dependable Lycoming air-cooled engine.

Small wonder the Heli Aircraft Corporation expects its advanced design plane to open up a new era in private flying. Naturally, we are proud that once again Lycoming contributes to aviation progress. Perhaps we can also help meet your need for air-cooled power.

Whatever your problem . . . if it can be solved by any of the services listed with our signature . . . look to Lycoming.

FOR RESEARCH • FOR PRECISION PRODUCTION

LOOK TO

Lycoming

DIVISION OF



STRATFORD, CONN.

Worldwide sales in Stratford, Conn., and Williamsport, Pa.



High-angle climb immediately after take-off is characteristic of the Heli Courier. It seats four . . . is powered by Lycoming's 260-hp. air-cooled engine.

Send for Free Booklet "The Lycoming Story" . . . It's interesting, illustrated paper showing many ways Lycoming is ready to help you. Write for it on your letterhead.

the
Lycoming
story

Aircraft Engines
Industrial and Tank Engines
Engine Overhaul
Generating Units

Turbine Engineering and Research
Engineering Design and Development
Hydraulic and Control Precision Parts
Gears and Machine Parts

Complete Assemblies
Heat Treating and Plating
Steel Fabrication
Castings
Bridges



Your engine makes
this much *acid*
every day

*... And it's Acid Action - not friction
that causes 90% of engine wear!*





\$65,000 monkey wrench

(but this business never even felt it when it fell!)

AT THE SUMMIT of the processing season in a Midwestern feedstuffs plant, a superheater tube blew in the main boiler.

The accident to this key piece of equipment shut down the plant—there a monkey wrench into production plans for the next few months.

Direct damage, covered by the firm's Boiler and Machinery insurance, was \$2000. But the cost to the company as a result of the lost production was \$65,000.

Fortunately, Business Interruption insurance—written in connection with a Boiler and Machinery policy—paid this loss. It placed this company in just as good financial position after production was interrupted as before.

As this case may remind you, any manufacturer is risking his earnings if production is dependent upon the ability of plant equipment to keep on producing.

Travelers Business Interruption insurance (often called Use and Occupancy insurance) is designed to take over such a risk for you.

During the time production is curtailed (or stopped entirely) because of a boiler explosion—or because of an accident to a key machine—earnings slump or stop altogether; while expenses keep right on. This insurance not only pays these continuing expenses but also the profits which would have been realized had no accident occurred.

For either manufacturing or mercantile businesses, Business Interruption insurance is relatively inexpensive. Especially when you realize that it may mean the difference between a profit and a serious loss.

This insurance is also available for fire, windstorm, and other hazards.

Ask your Travelers agent or broker to tell you more about this important protection for the earning power of your business.

MORAL: INSURE IN

The Travelers

ALL FORMS OF INSURANCE AND SURETY BONDS

The Travelers Insurance Company, The Travelers Indemnity Company, The Travelers Fire Insurance Company, The Charter Oak Fire Insurance Company, Hartford 43, Connecticut. Serving the needs of the insurance public in the United States since 1864 and in Canada since 1866.

SPEAKING OF PICTURES

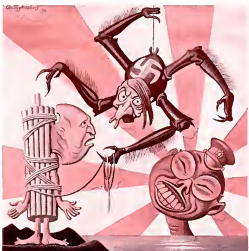
(continued)



Artzybasheff's design for new Nazi flag has striking snake and bloody hand marks. Swastikas, whether they are clockwise or counterclockwise, usually mean good luck.



Die Walküre plunge across the sky like three drunken witches. Hitler has carefully built his national mythology around Wagnerian music and old Germanic legends.



Spider-like, Hitler weaves strong thread around bundle of rods (symbol of Fascism) encasing an apprehensive hatchet-faced Mussolini while Japan's sun sets in west.



CREATURES OF HITLER'S TURGID NIGHTMARE SWAMP ARE A MEDAL-HEAVY GÖRNG, A PRATING GÖRRIESEL, A SMIRKING HIMMLER AND, TRAPPED BY SWASTIKA, A SIMIAN PIERRE LAVAL

SPEAKING OF PICTURES

... SWASTIKAS MAKE
GHOULISH SYMBOLS

Here on these pages, like tortured images tumbling through a limitless nightmare, are twisted snakes, writhing men and evil birds feeding on carrion. They are Artist Boris Artzybashev's reactions to the Nazi swastika. To Russian-born Artzybashev (right), and to many another anti-Nazi, never has such an ancient symbol been so misused.

The swastika is a man-made mark which is older than recorded history. It is no more purely Aryan than are the German people. In fact, among its earliest users were the Sumerians, a completely non-Aryan tribe of Babylonia. In its long descent through history, the swastika has commonly been a good-luck charm; even its name, *swastika*, means, in Sanskrit, "object of well-being."

But Hitler, cribbing it from Germanic legend, gave it such a meaning that today this old crooked cross stands for ruthlessness and cruelty.

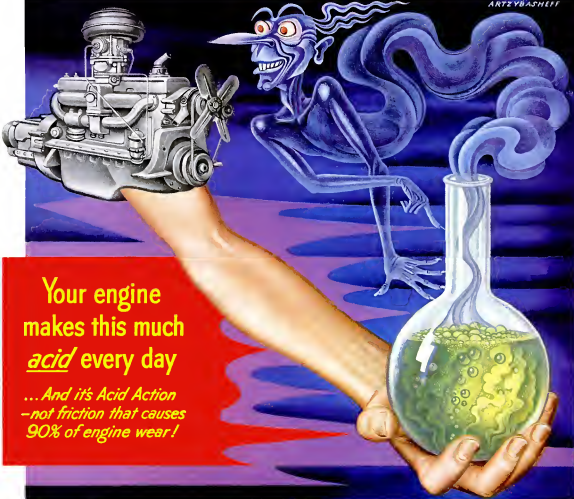
Into his paintings Artzybashev has incorporated the macabre style of two Renaissance artists, Bosch and Breughel the Younger, to give his swastikas an overpowering feeling of footless barbarity and darkness.



A TATTERED PIED PIPER PLAYING ON A GERMAN HUNTING HORN, HITLER LEADS HIS GHOULISH CREW OF MONSTERS IN A FIENDISH FRANCE ACROSS THE BARREN FACE OF THE WORLD







Your engine
makes this much
acid every day

... And it's Acid Action
—not friction that causes
90% of engine wear!

NEW alkaline Shell X-100 Motor Oil neutralizes Acid Action

It's not friction but acid action that causes 90% of engine wear! To neutralize the harmful effect of the pint or more of acid formed in average daily driving, Shell Research has produced an *alkaline* motor oil—Shell X-100. Fortified with alkaline "X" safety factors, it neutralizes the acid action, prolonging the life of your engine.

The new Shell X-100 is a Premium Motor Oil. It is a Heavy Duty Motor Oil. In addition, it possesses cleansing factors which help prevent deposits that would foul your engine.

Shell X-100 is the finest motor oil money can buy. Let your Shell dealer give your engine the protection of this new alkaline Shell X-100 Motor Oil today.



It's Incomparable!

**Your engine makes
this much Acid every day**

**... And it's Acid Action—not friction—
that causes 90% of engine wear**



New Alkaline Shell X-100 Motor Oil counteracts Acid Action

If you are a typical motorist, in a normal day's driving:—a pint or more of acid is formed and passes through your car's engine, and it's acid action, not friction, that causes 90% of your engine wear. To neutralize the harmful effect of this acid, Shell Research has produced an alkaline motor oil—Shell X-100. Fortified with alkaline "X" safety factors, it neutralizes the acid action, prolonging the life of your engine.

The new Shell X-100 is a Premium Motor Oil. It is a Heavy Duty Motor Oil. In addition, it contains positive cleansing factors that help protect hydraulic valve lifters and other vital parts from fouling deposits.

Shell X-100 is the finest motor oil money can buy. Let your Shell dealer give your engine the protection of this new alkaline Shell X-100 Motor Oil today.

It's Incomparable!





THE DOMINICAN REPUBLIC... is largely agricultural, sugar cane being one of its principal crops. Other products exported by the island to pay for imports are cocoa beans, bananas, tobacco, avocados, rice and coffee. In the cities, ultra-modern architecture contrasts vividly with old Spanish buildings that date back to Christopher Columbus.

A sweet market in lovely lands

Visitors to the Caribbean are enchanted by the after-glow of civilizations that flourished on Inca gold, privateering, sugar and rum. But at port after port, they're impressed, too, by the modern buildings and facilities encountered. For the Caribbean is a blending of tropical romanticism with a thriving market for American products; bought by selling us sugar, ores, petroleum and other raw materials America needs. Write today for market data and travel information.

Alcoa Steamship Company, Inc.,
Dept. A, 17 Battery Place, New
York 4, N. Y. or Dept. A, One
Canal St., New Orleans 16, La.

ALCOA

sails the CARIBBEAN

ALCOA STEAMSHIP COMPANY, INC.



OFFICES IN: BALTIMORE, CHICAGO, MOSCOW, MONTREAL, NEW ORLEANS, NEW YORK, NORFOLK, ST. LOUIS, TORONTO

XR



**Your engine makes
this much Acid every day**

**... And it's Acid Action—not friction—
that causes 90% of engine wear**

New Alkaline Shell X-100 Motor Oil counteracts Acid Action

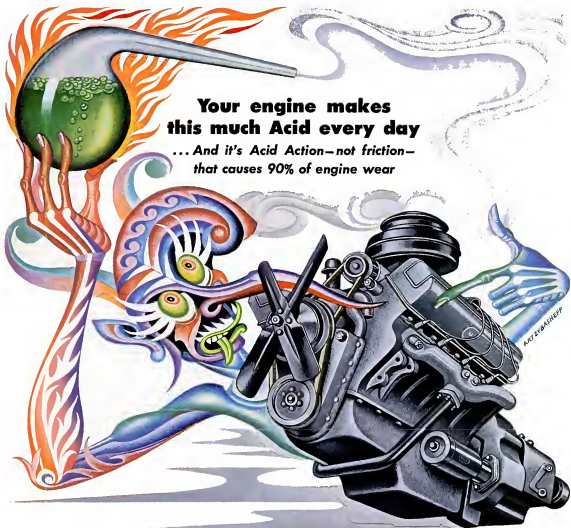
If you are a typical motorist, in a normal day's driving:—a pint or more of acid is formed and passes through your car's engine, and it's acid action, not friction, that causes 90% of your engine wear. To neutralize the harmful effect of this acid, Shell Research has produced an alkaline motor oil—Shell X-100. Fortified with alkaline "X" safety factors, it neutralizes the acid action, prolonging the life of your engine.

The new Shell X-100 is a Premium Motor Oil. It is a Heavy Duty Motor Oil. In addition, it contains positive cleansing factors that help protect hydraulic valve lifters and other vital parts from fouling deposits.

Shell X-100 is the finest motor oil money can buy. Let your Shell dealer give your engine the protection of this new alkaline Shell X-100 Motor Oil today.



It's Incomparable!



**Your engine makes
this much Acid every day**
... And it's Acid Action—not friction—
that causes 90% of engine wear

New Alkaline Shell X-100 Motor Oil counteracts Acid Action

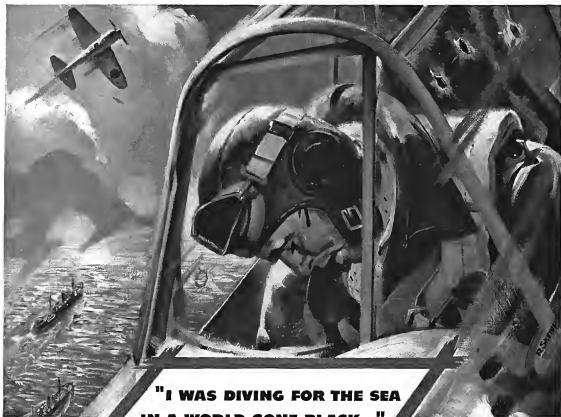
If you are a typical motorist, in a normal day's driving—a pint or more of acid is formed and passes through your car's engine, and it's acid action, not friction, that causes 90% of your engine wear. To neutralize the harmful effect of this acid, Shell Research has produced an alkaline motor oil—Shell X-100. Fortified with alkaline "X" safety factors, it neutralizes the acid action, prolonging the life of your engine.

The new Shell X-100 is a Premium Motor Oil. It is a Heavy Duty Motor Oil. In addition, it contains positive cleansing factors that help protect hydraulic valve lifters and other vital parts from fouling deposits.

Shell X-100 is the finest motor oil money can buy. Let your Shell dealer give your engine the protection of this new alkaline Shell X-100 Motor Oil today.

It's Incomparable!





"I WAS DIVING FOR THE SEA IN A WORLD GONE BLACK..."

CAN'T LIFT MY HAND. Too heavy . . . Can't fly . . . Can't see . . . Can't even say goodbye. Just be . . . "Missing" . . . Me—"missing".

Fool . . . to chase that Zero so far . . . and lose the formation. Sure I got him. And then found myself alone. Zero bait . . . over the Zeroes' home grounds.

Getting lighter. I can see the cockpit again—a little . . . Funny—hand's bloody, but it doesn't hurt. Just that place on the side of my head . . . Like the time that ball-bat hit me, only lots worse. I still remember Mom lugging me home then—crying. Good old Mom—wish I could spare her this news.

Look! There's the nose of the plane—and the sea! You're coming 'round. But . . . the sea's straight ahead! Pull out! Pull out, you fool. You've still got time. You've got to try to fly.

She's coming—awful slow. Tail must be shot up, too. My hands and feet are doing it, not my head . . . Head wants them to quit. Just one big splash. Then no more pain . . . just peace.

No—I owe some Jap a head that hurts like mine. I've got to try. Five minutes more will do it. But—it's getting dark again. A sick, dizzy kind of dark . . .

Where's that landing gear lever? There. Flaps? There. Push hard—you're awfully weak. No time to circle—go on in. Head's spinning like a top. Can I make it—before I—faint?

* * *

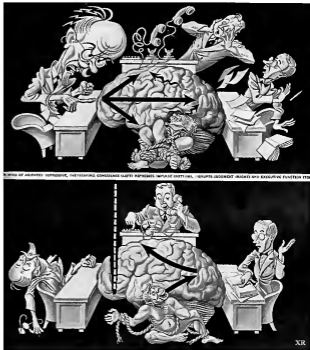
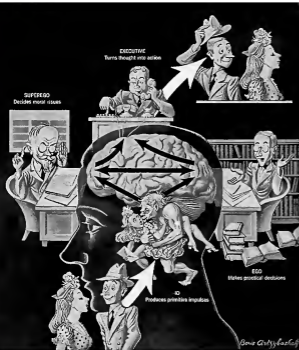
It's rough out there—awfully tough. And there's really so little we can do, here in the peace and safety of our homes, to back up the men who are fighting to keep us safe. Yet—that little counts so much.

Just loaning money in War Bonds, for example. We don't even give those dollars. Yet they can mean the difference between life and death for American fighting men. Tanks to open the way . . . friendly planes overhead . . . guns, and shells, and shoes, and stretchers. . . The boys will need more and more to finish this thing.

And Bonds you don't buy mean just one thing. Tanks and planes and stretchers missing when they're needed. And perhaps, because of that, someone close to you missing, too.

STEWART-WARNER CORPORATION
CHICAGO, ILLINOIS

This message is published solely in the interest of national understanding and unity in the war effort. Stewart-Warner plans have long since been covered in the making of essential materials for war and war production.



**Your engine makes
this much Acid every day**

**... And it's Acid Action—not friction—
that causes 90% of engine wear**



New Alkaline Shell X-100 Motor Oil counteracts Acid Action

If you are a typical motorist, in a normal day's driving—a pint or more of acid is formed and passes through your car's engine, and it's acid action, not friction, that causes 90% of your engine wear. To neutralize the harmful effect of this acid, Shell Research has produced an alkaline motor oil—Shell X-100. Fortified with alkaline "X" safety factors, it neutralizes the acid action, prolonging the life of your engine.

The new Shell X-100 is a Premium Motor Oil. It is a Heavy Duty Motor Oil. In addition, it contains positive cleansing factors that help protect hydraulic valve lifters and other vital parts from fouling deposits.

Shell X-100 is the finest motor oil money can buy. Let your Shell dealer give your engine the protection of this new alkaline Shell X-100 Motor Oil today.

It's Incomparable!



XR

Artzybasheff







SPACE EXPLORATION
U.S. v. Russia

TIME

THE WEEKLY NEWSMAGAZINE

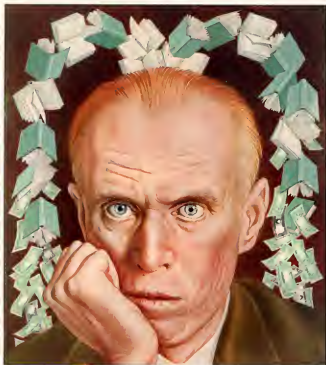


FIFTEEN CENTS

OCTOBER 8, 1945

TIME

THE WEEKLY NEWSMAGAZINE



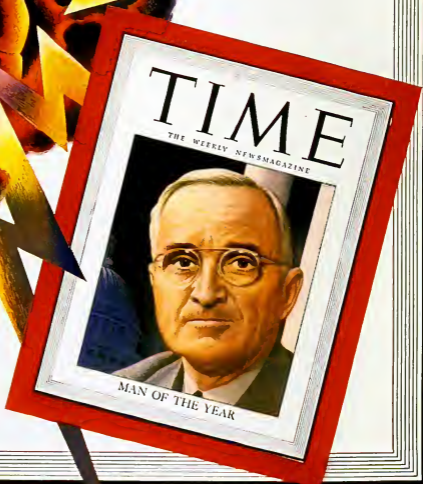
SINCLAIR LEWIS

In U.S. letters, he is still a ferment.

(Book)

TIME

WEEKLY NEWSMAGAZINE



Artzybasheff



We Remember!

... And because we remember, the Japs are regretting that on December 7th, 1941 they attacked America at Pearl Harbor. Nor has America forgotten Wake, Bataan and Corregidor.

Now these acts of aggression are being avenged. The full anger and might of America is making itself felt and the "Sons of Heaven" are being driven from the islands they sought to dominate.

The job calls for more ships, planes, fuel, ammunition, food . . . supplies of all kinds. And practically every Wickwire Spencer product is being used to help provide, to process or to protect the vital war supplies needed by our fighting men.

The thousands of workers in Wickwire Spencer's five great plants are working at top speed to hasten the day of Victory. After that we will have plenty of top quality wire and wire products for civilian needs.

LET'S GO FOR THE KNOCKOUT BLOW—BUY THAT EXTRA \$100 BOND TODAY!

WICKWIRE SPENCER STEEL COMPANY



500 FIFTH AVE., NEW YORK (18), N.Y.... AND KEY CITIES

FAMOUS FOR QUALITY IN STEEL, TUNGSTEN AND MOLYBDENUM WIRE; TUNGSTEN CARBIDE DIES AND TOOLS; WIRE ROPE; SPRINGS; CHAIN LINK FENCE; METAL CONVEYOR BELTS; WIRE CLOTH; PERFORATED METALS; CARO CLOTHING; POULTRY NETTING; HARDWARE CLOTH; INSECT SCREEN CLOTH; ELECTRICALLY WELDED FABRIC